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| <b>Search Notes</b><br><br> | <b>Application/Control No.</b><br><br>10593016 | <b>Applicant(s)/Patent Under Reexamination</b><br><br>GEORGE ET AL. |
|  | <b>Examiner</b><br><br>Jason Heidemann         | <b>Art Unit</b><br><br>2624   |

| SEARCHED |             |            |          |
|----------|-------------|------------|----------|
| Class    | Subclass    | Date       | Examiner |
| 382      | 128,129,133 | 10/09/2009 | /JEH/    |
| 356      | 326         | 10/09/2009 | /JEH/    |
|          | updated     | 06/15/2010 | /JEH/    |

| SEARCH NOTES   |            |          |
|--|------------|----------|
| Search Notes   | Date       | Examiner |
| Searched Class and Subclass with keywords (death, dead, necrotic, cell, spatial frequency)   | 10/09/2009 | /JEH/    |
| Searched Google, ACM with keywords (death, dead, necrotic, cell, spatial frequency)  | 10/09/2009 | /JEH/    |
| Author search on East  | 10/09/2009 | /JEH/    |
| Author search on Google, ACM   | 10/09/2009 | /JEH/    |
| Searched East with keywords such as (cell classification, and identify or compare, texture, spatial frequency, morphology ) -See Attached East | 06/15/2010 | /JEH/    |
| Searched Google, ACM with keywords (cell classification, and identify or compare, texture, spatial frequency, morphology )                     | 06/15/2010 | /JEH/    |
| Search EAST with keywords - see attached   | 01/25/2011 | /JEH/    |
| Search GOOGLE with keywords - see attached Search History  | 01/25/2011 | /JEH/    |
| Search GOOGLE and IEEE with keywords   | 07/08/2011 | /JEH/    |
| Search EAST with keywords - see attached   | 07/08/2011 | /JEH/    |
| Search EAST with keywords - see attached   | 09/08/2011 | /JEH/    |
| Updated Search in GOOGLE and IEEE with keywords (spatial frequency cell analysis standard deviation)   | 09/08/2011 | /JEH/    |

| INTERFERENCE SEARCH |   |            |          |
|---------------------|---|------------|----------|
| Class               | Subclass  | Date       | Examiner |
|                     | Interference search conducted on EAST with text queries such as (cell, standard deviation, spatial frequency, etc)- See attached Search History | 09/08/2011 | /JEH/    |

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| /Jason Heidemann/<br>Examiner.Art Unit 2624 | 09/08/2011 |
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